

#6

FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED Process for the preparation of L-aminic acids with amplification of the zwf gene

the specification of which (CHECK applicable BOX(ES))

X ☐ A. ☐ is attached hereto.
BOX(ES) ☒ B. ☒ was filed on March 6, 2002 as U.S. Application No. 10/091,342
☒ C. ☐ was filed as PCT International Application No. PCT/ / on /
and (if applicable to U.S. or PCT application) was amended on /

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)

Num 1 Country IRELAND Day/MONTH/Year Filed APR 17 2003 Date first Laid-open or Published / Date Patented or Granted / Priority NOT Claimed /

If more prior foreign applications, X box at bottom and continue on attached page.

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)

Application No. (series code/serial no.) 09/531,269 Day/MONTH/Year Filed 20/3/00 Status pending, abandoned, patented Priority NOT Claimed /

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on Information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (703) 905-2000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary.

USE ONLY FOR
PILLSBURY WINTHROP



00909

(Customer No. for communication)

(1) INVENTOR'S SIGNATURE: X Keri Burke Date: X 12/27/2002

Name	Kevin	BURKE
First	Middle Initial	Family Name
Residence	Galway	IRELAND
City	State/Foreign Country	Country of Citizenship
Mailing Address	5 Greenfield Road, Newcastle, Galway, Galway County, IRELAND	
(Include Zip Code)		

(2) INVENTOR'S SIGNATURE:

Date:

Name	Hermann	SAHM
First	Middle Initial	Family Name
Residence	Jülich	GERMANY
City	State/Foreign Country	Country of Citizenship
Mailing Address	Wendlinstrasse 71, D-52428, Jülich, GERMANY	
(Include Zip Code)		

☒ FOR ADDITIONAL INVENTORS see attached page.

☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P284961

(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date:

Lothar		EGGELING	
First	Middle Initial	Family Name	
Residence	Jülich	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Eisenkamp 16 D-52428, Jülich, GERMANY		
(include Zip Code)			

(4) INVENTOR'S SIGNATURE:

Date:

Bernd		MORITZ	
First	Middle Initial	Family Name	
Residence	Niederzier	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Schattbachstraße 1, DE-44801 Bochum, GERMANY		
(include Zip Code)			

(5) INVENTOR'S SIGNATURE:

Date:

L.		K. DUNICAN (deceased)	
First	Middle Initial	Family Name	
Residence	Galway	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Oranswell Road, Bushy Park, Galway, Galway County, IRELAND		
(include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

Ashling		MCCORMACK	
First	Middle Initial	Family Name	
Residence	Westmeath	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Moate Road, Athlone County, Westmeath, IRELAND		
(include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date:

Cliona		STAPLETON	
First	Middle Initial	Family Name	
Residence	Roscrea	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	1822 Ravensong Cir, US-27526 Fayetteville, NC		
(include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date:

Bettina		MÖCKEL	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Benrodtstraße 35, DE-40597 Düsseldorf, GERMANY		
(include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

Georg		THIERBACH	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Gunststrasse 21, D-33613, Bielefeld, GERMANY		
(include Zip Code)			

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Process for the preparation of L-amino acids with amplification of the zwf gene

the specification of which (CHECK applicable BOX(ES))
X A. ☐ is attached hereto.
BOX(ES) → B. ☒ was filed on March 6, 2002 as U.S. Application No. 10/091,342
→ C. ☐ was filed as PCT International Application No. PCT/ / on

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PRIOR FOREIGN APPLICATION(S)

Number Country Day/MONTH/Year Filed Date first Laid-open or Published Date Patented or Granted Priority NOT Claimed

APR 17 2003

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Application No. (series code/serial no.) Day/MONTH/Year Filed Status Priority NOT Claimed
09/531,269 20/3/00 pending, abandoned, patented

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USE ONLY FOR
PILLSBURY WINTHROP



00909

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE:

Date:

Name	Kevin	BURKE
First	Middle Initial	Family Name
Residence	Galway	IRELAND
City	State/Foreign Country	Country of Citizenship
Mailing Address	5 Greenfield Road, Newcastle, Galway, Galway County, IRELAND	
(Include Zip Code)		

(2) INVENTOR'S SIGNATURE:

Date:

Name	Hermann	SAHM
First	Middle Initial	Family Name
Residence	Jülich	GERMANY
City	State/Foreign Country	Country of Citizenship
Mailing Address	Wendelinustrasse 71, D-52428, Jülich, GERMANY	
(Include Zip Code)		

☒ FOR ADDITIONAL INVENTORS see attached page.

☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P284961

(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE: X

Date:

Lothar		EGGELING	
First	Middle Initial	Family Name	
Residence	Jülich	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Eisenkamp 6, D-52428, Jülich, GERMANY		
(include Zip Code)			

(4) INVENTOR'S SIGNATURE:

Date:

Bernd		MORITZ	
First	Middle Initial	Family Name	
Residence	Niederzier	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Schattbachstraße 1, DE-44801 Bochum, GERMANY		
(include Zip Code)			

(5) INVENTOR'S SIGNATURE:

Date:

L.		K. DUNICAN (deceased)	
First	Middle Initial	Family Name	
Residence	Galway	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Oranswell Road, Bushy Park, Galway, Galway County, IRELAND		
(include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

Ashling		MCCORMACK	
First	Middle Initial	Family Name	
Residence	Westmeath	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Moate Road, Athlone County, Westmeath, IRELAND		
(include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date:

Cliona		STAPLETON	
First	Middle Initial	Family Name	
Residence	Roscrea	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	1822 Ravensong Cir, US-27526 Fayetteville, NC		
(include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date:

Bettina		MÖCKEL	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Benrodtstraße 35, DE-40597 Düsseldorf, GERMANY		
(include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

Georg		THIERBACH	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Gunststrass 21, D-33613, Bielefeld, GERMANY		
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Process for the preparation of L-amino acids with amplification of the zwf gene

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Application No. (series code/serial no.)	Day/MONTH/Year Filed	Status	Priority NOT Claimed
09/531,269	20/3/00	pending, abandoned, patented	

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PILLSBURY WINTHROP



00909

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE:

Date:

Name	Kevin	BURKE
First	Middle Initial	Family Name
Residence	Galway	IRELAND
City	State/Foreign Country	Country of Citizenship
Mailing Address	5 Greenfield Road, Newcastle, Galway, Galway County, IRELAND	
(Include Zip Code)		

(2) INVENTOR'S SIGNATURE:

Date:

Name	Hermann	SAHM
First	Middle Initial	Family Name
Residence	Jülich	GERMANY
City	State/Foreign Country	Country of Citizenship
Mailing Address	Wendlinustrass 71, D-52428, Jülich, GERMANY	
(Include Zip Code)		

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☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P284961

(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date :

Lothar		EGGELING	
First	Middle Initial	Family Name	
Residence	Jülich	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Eisenkamp 6, D-52428, Jülich, GERMANY		
(Include Zip Code)			

(4) INVENTOR'S SIGNATURE:

Date: X 3.1.03

Bernd		MORITZ	
First	Middle Initial	Family Name	
Residence	Niederzier	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Schattbachstraße 1, DE-44801 Bochum, GERMANY		
(Include Zip Code)			

(5) INVENTOR'S SIGNATURE:

Date:

L.		K. DUNICAN (deceased)	
First	Middle Initial	Family Name	
Residence	Galway	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Oranswell Road, Bushy Park, Galway, Galway County, IRELAND		
(Include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

Ashling		MCCORMACK	
First	Middle Initial	Family Name	
Residence	Westmeath	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Moate Road, Athlone County, Westmeath, IRELAND		
(Include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date:

Cliona		STAPLETON	
First	Middle Initial	Family Name	
Residence	Roscrea	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	1822 Ravensong Cir, US-27526 Foothill Varina, NC		
(Include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date:

Bettina		MÖCKEL	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Benrodtstraße 35, DE-40597 Düsseldorf, GERMANY		
(Include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

Georg		THIERBACH	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Gunststrasse 21, D-33613, Bielefeld, GERMANY		
(Include Zip Code)			

**FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
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DECLARATIONS**

**RULE 83 (37 C.F.R. 1.53)
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**PW
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PRIOR FOREIGN APPLICATION(S) Number	Country	Date first Filed Day/MONTH/Year Filed	Date first Laid- open or Published	Date Patented or Granted	Priority NOT Claimed
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**USE ONLY FOR
PILLSBURY WINTHROP**



00909

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE: X Keri Burke Date: X 12/27/2002

Name	Kevin	BURKE
Residence	Galway	IRELAND
Mailing Address	5 Greenfield Road, Newcastle, Galway, Galway County, IRELAND	
(Include Zip Code)		

(2) INVENTOR'S SIGNATURE: _____ Date: _____

Name	Hermann	SAHM
Residence	Jölich	GERMANY
Mailing Address	Wendelinstrasse 71, D-52428, Jölich, GERMANY	
(Include Zip Code)		

☒ FOR ADDITIONAL INVENTORS see attached page.

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Atty. Dkt. No. P284961

(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date:

	Lothar		Eggeling
Residence	Jülich	GERMANY	GERMANY
Mailing Address	Eisenkamp 6, D-52428 Jülich, GERMANY		
(Include Zip Code)			

(4) INVENTOR'S SIGNATURE:

Date:

	Bernd		Moritz
Residence	Niederzier	GERMANY	GERMANY
Mailing Address	Schattbachstraße 1, DE-44801 Bochum, GERMANY		
(Include Zip Code)			

(5) INVENTOR'S SIGNATURE:

Date:

	L.	K.	DUNICAN (deceased)
Residence	Galway	IRELAND	IRELAND
Mailing Address	Oranswell Road, Bushy Park, Galway, Galway County, IRELAND		
(Include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

	Ashling		MCCORMACK
Residence	Westmeath	IRELAND	IRELAND
Mailing Address	Moate Road, Athlone County, Westmeath, IRELAND		
(Include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date:

	Ciona		STAPLETON
Residence	Roscrea	IRELAND	IRELAND
Mailing Address	1822 Ravensong Cir, US-27586 Folly, Varina, NC		
(Include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date:

	Bettina		MÖCKEL
Residence	Bielefeld	GERMANY	GERMANY
Mailing Address	Benrodtstraße 35, DE-40597 Düsseldorf, GERMANY		
(Include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

	Georg		THIERBACH
Residence	Bielefeld	GERMANY	GERMANY
Mailing Address	Gunststraße 21, D-33613, Bielefeld, GERMANY		
(Include Zip Code)			

FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. 1.53)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED
Process for the preparation of L-amino acids with amplification of the zwf gene

the specification of which (CHECK applicable BOX(ES))
X A. ☐ is attached hereto.
BOX(ES) → B. ☒ was filed on March 6, 2002 as U.S. Application No. 10/091,342
→ C. ☐ was filed as PCT International Application No. PCT/ / on

and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

<u>PRIOR FOREIGN APPLICATION(S)</u>	<u>Date first Laid-</u>	<u>Date Patented</u>	<u>Priority NOT Claimed</u>
<u>Numb r</u>	<u>Country</u>	<u>open or Published</u>	<u>or Granted</u>

If more prior foreign applications, X box at bottom and continue on attached page.

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

<u>PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)</u>	<u>Status</u>	<u>Priority NOT Claimed</u>
<u>Application No. (series code/serial no.)</u>	<u>Day/MONTH/Year Filed</u>	<u>pending, abandoned, patented</u>
09/531,269	20/3/00	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (703) 905-2000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary.

USE ONLY FOR
PILLSBURY WINTHROP



00909

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE:

Date:

Name	Kevin	BURKE
First	Middle Initial	Family Name
Residence	Galway	IRELAND
City	State/Foreign Country	Country of Citizenship
Mailing Address	5 Greenfield Road, Newcastle, Galway, Galway County, IRELAND	
(include Zip Code)		

(2) INVENTOR'S SIGNATURE:

Date:

Name	Hermann	SAHM
First	Middle Initial	Family Name
Residence	Jülich	GERMANY
City	State/Foreign Country	Country of Citizenship
Mailing Address	Wendelinustrasse 71, D-52428, Jülich, GERMANY	
(include Zip Code)		

☒ FOR ADDITIONAL INVENTORS see attached page.

☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P284961

(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date :

Lothar		EGGELING	
First	Middle Initial	Family Name	
R sidence	Jülich	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Eisenkamp 6, D-52428, Jülich, GERMANY		
(include Zip Code)			

(4) INVENTOR'S SIGNATURE:

Date:

Bernd		MORITZ	
First	Middle Initial	Family Name	
R sidence	Niederzier	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Schattbachstraße 1, DE-44801 Bochum, GERMANY		
(include Zip Code)			

(5) INVENTOR'S SIGNATURE:

Date:

L.		K. DUNICAN (deceased)	
First	Middle Initial	Family Name	
Residence	Galway	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Oranswell Road, Bushy Park, Galway, Galway County, IRELAND		
(include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

Ashling		MCCORMACK	
First	Middle Initial	Family Name	
R sidence	Westmeath	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Moate Road, Athlone County, Westmeath, IRELAND		
(include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date: X Dec. 28th 02

Cliona		STAPLETON	
First	Middle Initial	Family Name	
R sidence	Roscrea	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	1822 Ravensong Cir, US-27526 Folly Varina, NC		
(include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date:

Bettina		MÖCKEL	
First	Middle Initial	Family Name	
R sidence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Benrodtstraße 35, DE-40597 Düsseldorf, GERMANY		
(include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

Georg		THIERBACH	
First	Middle Initial	Family Name	
R sidence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Gunststrass 21, D-33613, Bielefeld, GERMANY		
(include Zip Cod)			

FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. 1.53)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
FORM

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED
Process for the preparation of L-amino acids with amplification of the zwf gene

the specification of which (CHECK applicable BOX(ES))
X A. ☐ is attached hereto.
BOX(ES) → B. ☒ was filed on March 6, 2002 as U.S. Application No. 10/091,342
→ C. ☐ was filed as PCT International Application No. PCT/ / on
and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S) Number	Country	Day/MONTH/Year Filed	Date first Laid- open or Published	Date Patented or Granted	Priority NOT Claimed
--	---------	----------------------	---------------------------------------	-----------------------------	----------------------

If more prior foreign applications, X box at bottom and continue on attached page.

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PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S) Application No. (series code/serial no.)	Day/MONTH/Year Filed	Status pending, abandoned, patented	Priority NOT Claimed
09/531,269	20/3/00		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (703) 905-2000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their Firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or an attorney of that Firm in writing to the contrary.

USE ONLY FOR
PILLSBURY WINTHROP



00909

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE:

Date:

Name	Kevin	BURKE
First	Middle Initial	Family Name
Residence	Galway	IRELAND
City	State/Foreign Country	Country of Citizenship
Mailing Address	5 Greenfield Road, Newcastle, Galway, Galway County, IRELAND	
(include Zip Code)		

(2) INVENTOR'S SIGNATURE:

Date:

Name	Hermann	SAHM
First	Middle Initial	Family Name
Residence	Jülich	GERMANY
City	State/Foreign Country	Country of Citizenship
Mailing Address	Wendelinstrasse 71, D-52428, Jülich, GERMANY	
(include Zip Code)		

- ☒ FOR ADDITIONAL INVENTORS see attached page .
☐ See additional for foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P284961
(M#)

DECLARATION AND POWER OF ATTORNEY

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date:

Lothar		EGGELING	
First	Middle Initial	Family Name	
Residence	Jülich	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Eisenkamp 6, D-52428, Jülich, GERMANY		
(Include Zip Code)			

(4) INVENTOR'S SIGNATURE:

Date:

Bernd		MORITZ	
First	Middle Initial	Family Name	
Residence	Niederzier	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Schöttbachstraße 1, DE-44801 Bochum, GERMANY		
(Include Zip Code)			

(5) INVENTOR'S SIGNATURE:

Date:

L.		K. DUNICAN (deceased)	
First	Middle Initial	Family Name	
Residence	Galway	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Oranswell Road, Bushy Park, Galway, Galway County, IRELAND		
(Include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

Ashling		MCCORMACK	
First	Middle Initial	Family Name	
Residence	Westmeath	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Moate Road, Athlone County, Westmeath, IRELAND		
(Include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date:

Cliona		STAPLETON	
First	Middle Initial	Family Name	
Residence	Roscrea	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	1822 Ravensong Cir, US-27526 Fayetteville, NC		
(Include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date: 12/25/2002

Bettina		MÖCKEL	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Benrodtstraße 35, DE-40597 Düsseldorf, GERMANY		
(Include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

Georg		THIERBACH	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Gunststrasse 21, D-33613, Bielefeld, GERMANY		
(Include Zip Code)			

FOR UTILITY/DESIGN
CIP/PCT NATIONAL/PLANT
ORIGINAL/SUBSTITUTE/SUPPLEMENTAL
DECLARATIONS

RULE 63 (37 C.F.R. 1.53)
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FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PW
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As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED Process for the preparation of L-amino acids with amplification of the zwf gene

the specification of which (CHECK applicable BOX(ES))
X A. ☐ is attached hereto.
BOX(ES) → B. ☒ was filed on March 6, 2002 as U.S. Application No. 10/091,342
→ C. ☐ was filed as PCT International Application No. PCT/ / on /
and (if applicable to U.S. or PCT application) was amended on /

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PRIOR FOREIGN APPLICATION(S) Number	Country	Day/MONTH/Year Filed	Date first Laid- open or Published	Date Patented or Granted	Priority NOT Claimed
--	---------	----------------------	---------------------------------------	-----------------------------	----------------------

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PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S) Application No. (series code/serial no.)	Day/MONTH/Year Filed	Status pending, abandoned, patented	Priority NOT Claimed
09/531,269	20/3/00		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (703) 905-2000 (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer No. names of persons no longer with their firm, to add new persons of their firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary.

USE ONLY FOR
PILLSBURY WINTHROP



00909

(Customer No. for communication)

(1) INVENTOR'S SIGNATURE:

Date:

Name	Kevin	BURKE
First	Middle Initial	Family Name
Residence	Galway	IRELAND
City	State/Foreign Country	Country of Citizenship
Mailing Address	5 Greenfield Road, Newcastle, Galway, Galway County, IRELAND	
(include Zip Code)		

(2) INVENTOR'S SIGNATURE:

Date:

Name	Hermann	SAHM
First	Middle Initial	Family Name
Residence	Jülich	GERMANY
City	State/Foreign Country	Country of Citizenship
Mailing Address	Wendelinustrasse 71, D-52428, Jülich, GERMANY	
(include Zip Code)		

☒ FOR ADDITIONAL INVENTORS see attached page.

☐ See additional foreign priorities on attached page (incorporated herein by reference).

Atty. Dkt. No. P284961

(M#)

DECLARATION AND POWER OF ATTORNEY
(continued)
ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date:

Lothar		EGGELING	
First	Middle Initial	Family Name	
Residence	Jülich	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Eisenkamp 6, D-52428, Jülich, GERMANY		
(include Zip Code)			

(4) INVENTOR'S SIGNATURE:

Date:

Bernd		MORITZ	
First	Middle Initial	Family Name	
Residence	Niederzier	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Schattbachstraße 1, DE-44801 Bochum, GERMANY		
(include Zip Code)			

(5) INVENTOR'S SIGNATURE:

Date:

L.		K.	DUNICAN (deceased)
First	Middle Initial	Family Name	
Residence	Galway	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Oranswell Road, Bushy Park, Galway, Galway County, IRELAND		
(include Zip Code)			

(6) INVENTOR'S SIGNATURE:

Date:

Ashling		MCCORMACK	
First	Middle Initial	Family Name	
Residence	Westmeath	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	Moate Road, Athlone County, Westmeath, IRELAND		
(include Zip Code)			

(7) INVENTOR'S SIGNATURE:

Date:

Cliona		STAPLETON	
First	Middle Initial	Family Name	
Residence	Roscrea	IRELAND	IRELAND
City	State/Foreign Country		Country of Citizenship
Mailing Address	1822 Ravensong Cir, US-27526 Fayetteville, NC		
(include Zip Code)			

(8) INVENTOR'S SIGNATURE:

Date:

Bettina		MÖCKEL	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Benrodtstraße 35, DE-40597 Düsseldorf, GERMANY		
(include Zip Code)			

(9) INVENTOR'S SIGNATURE:

Date:

Georg		THIERBACH	
First	Middle Initial	Family Name	
Residence	Bielefeld	GERMANY	GERMANY
City	State/Foreign Country		Country of Citizenship
Mailing Address	Gunststrasse 21, D-33613, Bielefeld, GERMANY		
(include Zip Code)			

**FOR UTILITY/DESIGN
CIP/PLANT
ORIGINAL/SUBSTITUTE
DECLARATIONS**

**RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
⇨⇨⇨ BY LEGAL REPRESENTATIVE ⇨⇨⇨
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK
OFFICE**

**PW
FORM**

As a below named legal representative, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe the below listed to be the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Process for the preparation of L-amino acids with amplification of the zwf gene

the specification of which (CHECK applicable BOX(ES))

⇨ ☐ is attached hereto.

⇨ ☒ was filed on March 6, 2002 as U.S. Application No. 010/ 091,342

⇨ ☐ was filed as PCT international Application No. PCT/ / on

⇨⇨ and (if applicable to U.S. or PCT application) was amended on

Inventor(s) (NOTE: For deceased inventor(s), state last residence and country of citizenship)

1. Name:	<u>Kevin</u>	<u>BURKE</u>	<u>IRELAND</u>
	First	Middle Initial	Family Name
			Country of Citizenship
Residence (City)	<u>Galway</u>	(State/Foreign Country)	<u>IRELAND</u>
2. Name:	<u>Hermann</u>	<u>SAHM</u>	<u>GERMANY</u>
	First	Middle Initial	Family Name
			Country of Citizenship
Residence (City)	<u>Jülich</u>	(State/Foreign Country)	<u>GERMANY</u>
3. Name:	<u>Lothar</u>	<u>EGGELING</u>	<u>GERMANY</u>
	First	Middle Initial	Family Name
			Country of Citizenship
Residence (City)	<u>Jülich</u>	(State/Foreign Country)	<u>GERMANY</u>
4. Name:	<u>Bernd</u>	<u>MORITZ</u>	<u>GERMANY</u>
	First	Middle Initial	Family Name
			Country of Citizenship
Residence (City)	<u>Niederzier</u>	(State/Foreign Country)	<u>GERMANY</u>

(FOR ADDITIONAL INVENTORS, check box ☒ and attach sheet (PAT-116-2) for same information for each re name, citizenship, and residence.)

Of the foregoing inventor(s) L. K. DUNICAN is deceased but was late a citizen and resident as indicated and I am

X one) ⇨⇨ ☐ administrator/administratrix of his/her estate, ☐ his/her heir, ☐ executor/executrix of his/her last will and testament

BOX) ⇨⇨ ☐ his/her guardian ☐ his/her conservator/conservatrix ☐ other

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. 1.56(a). I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate filed by me, the listed inventive entity, or assignee thereof disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)
Number Country

Day/MONTH/Year Filed

Priority Claimed
Yes No

I hereby claim the benefit under 35 U.S.C. 119/120/365 of all United States applications listed below and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PRIOR U.S. OR PCT APPLICATION(S)

Application No. (series code/serial no.)
09/531,269

Day/MONTH/Year Filed
20 March 2000

Status

pending, abandoned, patented

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

And I hereby appoint Pillsbury Winthrop LLP, Intellectual Property Group, telephone number (202) 861-3000 (to whom all communications are to be directed), and persons of that firm are associated with USPTO Customer No. 909 (see below label) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that customer No. names of persons no longer with their firm, to add new persons of their Firm to that Customer No., and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above Firm and/or an attorney of that Firm in writing to the contrary.

USE ONLY FOR
PILLSBURY WINTHROP LLP



00909

(Customer No. for communications)

1. LEGAL REPRESENTATIVE'S SIGNATURE:

X Rita Dunican

Date X 19.01.63

Name (typed) Rita DUNICAN IRELAND
First Name Middle Initial Family Country of Citizenship

Residence (City) Galway (State/Foreign Country) IRELAND

Post Office Address (Include Zip Code) Oranswell Road, Bushy Park, Galway, IRELAND

2. LEGAL REPRESENTATIVE'S SIGNATURE:

Date

Name (typed) _____
First Name Middle Initial Family Country of Citizenship

Residence (City) _____ (State/Foreign Country) _____

Post Office Address (Include Zip Code) _____

3. LEGAL REPRESENTATIVE'S SIGNATURE:

Date

Name (typed) _____
First Name Middle Initial Family Country of Citizenship

Residence (City) _____ (State/Foreign Country) _____

Post Office Address (Include Zip Code) _____

4. LEGAL REPRESENTATIVE'S SIGNATURE:

Date

Name (typed) _____
First Name Middle Initial Family Country of Citizenship

Residence (City) _____ (State/Foreign Country) _____

Post Office Address (Include Zip Code) _____